

### ABSTRACT

The present invention provides an improved dialysis solution. The improved dialysis solution provides for the use of specific polypeptides as an osmotic agent with an additional osmotic agent such as dextrose. To this end, the present invention  
5 provides, in an embodiment, a peritoneal dialysis solution comprising as osmotic agents approximately 0.25 to about 4.0% (w/v) polypeptides and approximately 0.5% to about 4.0% (w/v) dextrose. The polypeptides have well defined characteristics.